

CLIPPEDIMAGE= JP402132894A

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TITLE: COMPONENT FEEDING DEVICE

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INVENTOR-INFORMATION:

NAME

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INT-CL (IPC): H05K013/02; B23P019/00

US-CL-CURRENT: 29/771

*Abst only*

ABSTRACT:

PURPOSE: To improve a component feeder of this design in safety by a method wherein a component feeding table is positioned to a supply station by a driven device interlocked with a separating operation and a locking operation.

CONSTITUTION: A separator 49, a locking device 60, and a drive device 69 are provided to a standby position. The device 49 is provided with an control lever 53 supported with a support shaft 58 fitted to a frame bracket 57 and a roller 55 is provided to one end of the control lever 53. The device 60 is provided with a lock lever 61 supported with the shaft 58 in common with the control lever 53 and a bearing 62 is embedded. A roller 64 is provided at one end of the lever 61, and the other end is pulled downward by a tension spring 67, and the spring 67 is connected between a pin 65 of the lever 61 and a pin 66 of a bracket 75 which extends downward from a frame 12

and gives a moment to the lever 61 in a clockwise direction. When the roller 64 is engaged with a recess 76 of a locking block 68 attached to the rear of a side plate 20, a component feeding table 18 stops moving. The main body of the device 69 is connected to an air cylinder 50, a rod 51 is connected to the lever 53 through a knuckle pin 54 to make the roller 50 positioned at low level, and a roller 70 is made to push up a roller pad 71 and make the roller 64 move downward. By this setup, a feed table is locked, whereby a feeding device is improved in safety.

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Current US Cross Reference Classification - CCXR:

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